

Serial No. 09/692,412

Examiner: Einsmann

**REMARKS/ARGUMENT**

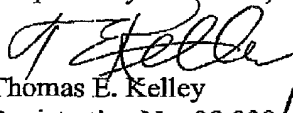
Applicant respectfully requests entry of the amendment to claims where claims 1-9, 11 and 13-35 are cancelled, claim 10 is amended to specify an element characterized by "Single Nucleotide Polymorphism 471736" and objected-to claim 12 is rewritten in independent form.

Support for the amendment to claim 10 is found in original claim 10 (reference to Table A) and in the specification at pages 40-41 (reference to storage of polymorphism features on computer readable medium) and in prior claim 12 (reference to Single Nucleotide Polymorphism 471736). Applicant submits that currently amended claim 10 should be in condition for allowance or at least in better condition for consideration on appeal. None of the art of record teaches or suggests a method of identifying a nucleic acid molecule associated with a phenotypic trait of interest as described in the currently amended claim 10 using a "collection of polymorphisms designed from features of polymorphisms listed in Table A including Single Nucleotide Polymorphism 471736 and recorded on computer readable medium."

Support for the amendment to claim 12 is found in base claim 10. Applicant submits that currently amended claim 12 should be in condition for allowance as there are no outstanding rejections to claim 12 which was objected to as being dependent upon a rejected base claim. Currently amended claim 12, which was dependent from independent claim 10, is now rewritten to include all of the prior limitations of base claim 10.

Applicant requests entry of the amendments to claims, reconsideration of the rejection of claim 10 and allowance of claims 10 and 12.

Respectfully submitted,



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